

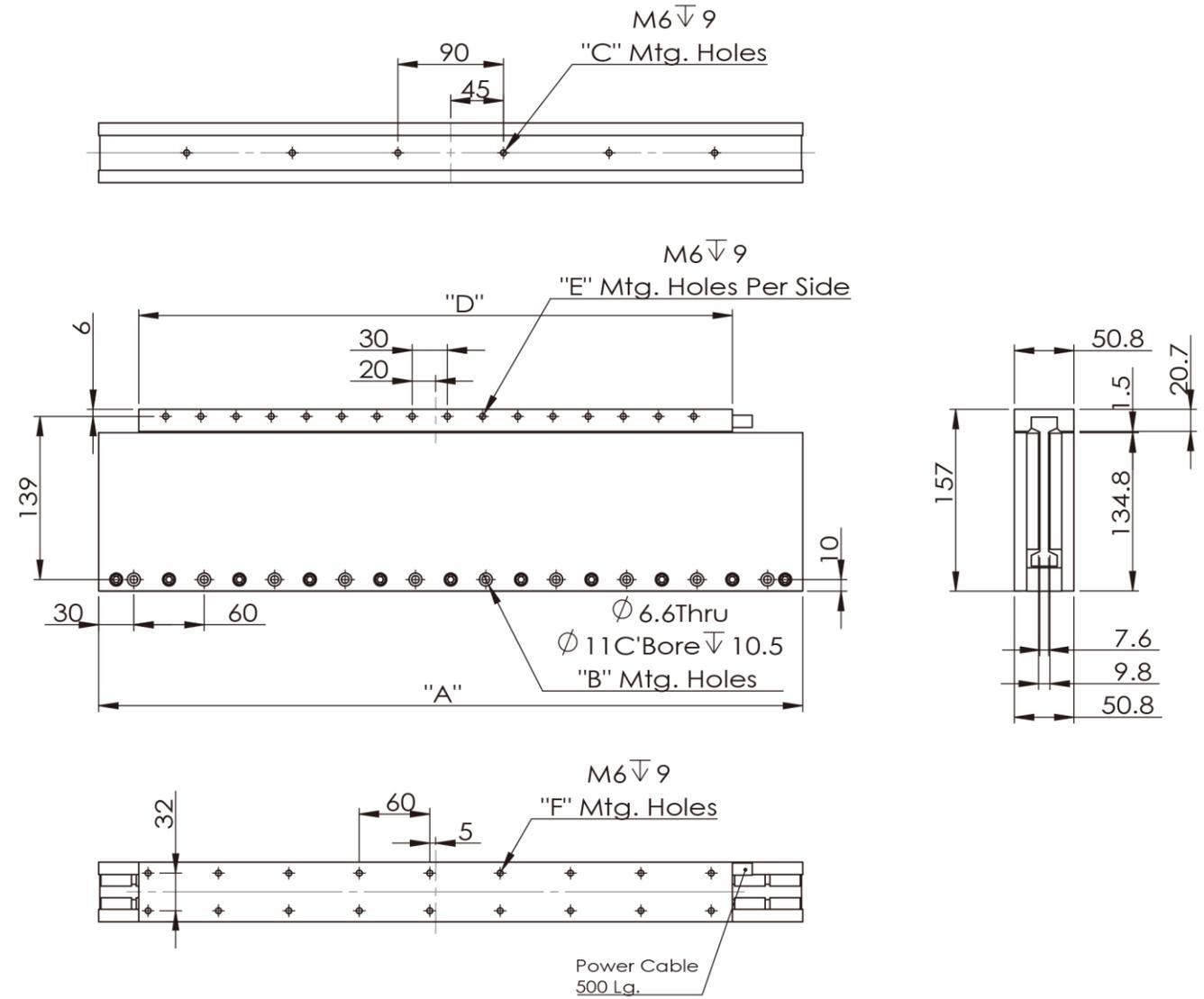


**标准规格/Standard Specifications**  
 绝缘耐压/Insulation Capacity : AC1500V 1min  
 周围温度/Operating Range : 0~25°C  
 冷却方式/Cooling Method : Self-cool  
 绝缘电阻/Insulation Resistance : DC500V 100MΩ or more  
 周围湿度/Operating range : 20~80%(No condensation)  
 (in controlled environment)  
 最大温度/Maximum temperature : 125°C

详细规格/Specification					
参数	单位	LMU050-CP384		LMU050-CP504	
Parameter	Unit	A	B	B	C
<b>性能指标</b>					
<b>Performance Specifications</b>					
额定推力 Continuous Force	N	550		700	
峰值推力 Peak Force	N	3850		4900	
<b>电气性能</b>					
<b>Electrical Specifications</b>					
线间感应电压常数 BEMF Constant(line-line,peak)	V/(m/s)	203.02	101.51	135.91	67.95
额定电流 Continuous Current	Ams	2.20	4.40	4.20	8.41
峰值电流 Peak Current,Stall	Ams	15.42	30.83	29.40	58.87
推力常数 Force Constant	N/Ams	249.71	124.86	166.47	83.23
马达常数 Motor Constant	N/W	37.06		48.30	
线间电阻, 25°C Resistance, 25°C (line-line)	Ω	20.39	5.1	6.8	1.7
线间电感 Inductance,(line-line)	mH	12	3	4	1
散热常数 Thermal Resistance	°C/W	0.4		0.39	
最大电压 Maximum Bus Voltage	V <sub>DC</sub>	340		340	
<b>机械性能</b>					
<b>Mechanical Specifications</b>					
动子重量 Coil Weight	kg	3.4		4.45	
动子长度 Coil Length	mm	384		504	
磁轨重量 Magnet Track Weight	kg/m	38.1			
磁极间距 (NN) Magnetic Pole Pitch (NN)	mm	60			

- 注/Notes:**
- Performance is dependent upon heat sink configuration, system cooling conditions, and ambient temperature.  
性能取决于散热器配置、系统冷却条件和环境温度。
  - Values shown @ 100°C rise above a 25°C ambient temperature, with motor mounted to the specified aluminum heat sink.  
在高于25°C至100°C的环境温度时，电机需安装在指定的铝制散热器上。
  - Peak force assumes correct rms current; consult SMJ.  
峰值扭矩下设置正确的电流值，请咨询SMJ。
  - Force constant and motor constant specified at stall.  
失速时规定的力常数和电机常数
  - All performance and electrical specifications ±10%.  
所有性能和电气规格偏差 ± 10%

**Dimensions(mm)**



**Magnet Plate**

Model No.	A	B	C
LMU050-MP240	240	4	2
LMU050-MP300	300	5	4

**Coil Plate**

Model No.	D	E	F
LMU050-CP384	384	12	14
LMU050-CP504	504	16	18